

CLAIM AMENDMENTS

- 5 1. (WITHDRAWN): A stacked pad for processing substrates for the fabrication of electronic devices, the stacked pad comprising a top pad having a Shore D hardness greater than or equal to about 40 and a subpad having a Shore D hardness substantially equal to the hardness of the top pad.
- 10 2. (WITHDRAWN): The stacked pad of claim 1, wherein the top pad has a Shore D hardness from about 40 to about 70 and all ranges and values subsumed therein.
3. (WITHDRAWN): The stacked pad of claim 1, wherein the top pad has a Shore D hardness from about 50 to about 60 and all ranges and values subsumed therein.
- 15 4. (WITHDRAWN): A stacked pad for processing substrates for the fabrication of electronic devices, the stacked pad comprising a top pad having a Shore D hardness from about 40 to about 70, a subpad having a Shore D hardness equal to the hardness of the top pad, and an adhesive sandwiched between the top pad and the subpad to bind the top pad to the subpad.
- 20 5. (CURRENTLY AMENDED): A method of chemical mechanical polishing and/or planarization, the method comprising ~~the steps of~~:
- 25 A. providing a substrate having a surface for fabricating electronic devices, the surface comprising a dielectric material having a dielectric constant less than two;
- B. providing a stacked pad, the stacked pad comprising a top pad having a Shore D hardness from about 40 to about 70 and a subpad having a Shore D hardness substantially equal to the hardness of the top pad; and

C. contacting the top pad with the surface and planarizing the surface with the stacked pad.

5 6. (CURRENTLY AMENDED): The method of claim 5 further comprising ~~the step of~~ conditioning the top pad using a down force less than about 0.24 psi (1.7 KPa).

7. (CURRENTLY AMENDED): The method of claim 5 further comprising ~~the step of~~ conditioning the top pad after planarization of a plurality of the substrates and performing the conditioning using a down force less than about 0.24 psi (1.7 KPa).

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8. (CURRENTLY AMENDED): The method of claim 5 further comprising ~~the step of~~ planarization of five of the substrates before conditioning the top pad and performing the conditioning using a down force less than about 0.24 psi (1.7 KPa).

15 9. (CURRENTLY AMENDED): The method of claim 5 further comprising ~~the step of~~ repeating step A through step C a plurality of times before conditioning the top pad.

20 10. (CURRENTLY AMENDED): The method of claim 5 further comprising ~~the step of~~ repeating step A through step C a plurality of times before conditioning the top pad using a down force less than about 0.24 psi (1.7 KPa).

25 11. (ORIGINAL): The method of claim 5 further comprising conditioning the top pad only prior to the first planarization and using the stacked pad for planarizing a multiplicity of the substrates.

12. (ORIGINAL): The method of claim 5 further comprising processing a plurality of wafers between pad conditionings.

13. (ORIGINAL): The method of claim 5, wherein the stacked pad is conditioned before the first planarization.

5 14. (ORIGINAL): The method of claim 5, wherein the stacked pad is conditioned on a tool other than a polishing tool before the first planarization.

15. (CURRENTLY AMENDED): A method of chemical mechanical polishing and/or planarization, the method comprising ~~the steps of~~:

- 10 A. providing a substrate having a surface for fabricating electronic devices;
- B. providing a stacked pad, the stacked pad comprising a top pad and a subpad, wherein the hardness or modulus of the top pad substantially equals the hardness or modulus of the subpad; and
- 15 C. contacting the top pad with the surface and planarizing the surface with the stacked pad.

16. (ORIGINAL): The method of claim 15, wherein the top pad and subpad have a compressibility of about 1.8%.

20 17. (ORIGINAL): The method of claim 15, wherein the top pad and subpad have a substantially equal density and the density is in the range from about 0.5 to about 0.7 grams/cc.

25 18. (ORIGINAL): The method of claim 15, wherein the top pad and subpad have a substantially equal pore size range and the pore size range is in the range from about 0.5 to about 0.7 grams/cc.

19. (ORIGINAL): The method of claim 15, wherein the top pad and subpad have a substantially equal density and the density is in the range from about 0.5 to about 0.7 grams/cc and the top pad and sub pad have substantially equal hardness and the Shore D hardness is greater than about 47.

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20. (WITHDRAWN): A stacked pad for processing substrates for the fabrication of electronic devices, the stacked pad comprising a polyurethane impregnated felt top pad having Shore D hardness from about 51 to about 54, a polyurethane impregnated felt subpad having Shore D hardness equal to the hardness of the top pad, and an adhesive sandwiched between the top pad and the subpad to bind the top pad to the subpad; the top pad and the subpad having density of 0.58 +/- 0.04, a fiber to polymer resin ratio of 55:45, a felt density of 0.32 grams/cc, and a compressibility of 1.8%, wherein the properties of the top pad are substantially uniform and the properties of the sub pad are substantially uniform.

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